# Brain

## A Journal of Neurology

VOLUME 114, PARTS I–IV

*Edited by* P. K. THOMAS

*Deputy Editor* L. WEISKRANTZ

*with the help of*

E. BISIACH
D. Y. VON CRAMON
L. W. DUCHEN
M. J. G. HARRISON
L. L. IVERSEN
K. KRISTENSSON
W. I. MCDONALD
C. D. MARSDEN
J. M. NEWSOM-DAVIS
E. PIERROT-DESEILLIGNY
MARCUS E. RAICHLE
T. A. SEARS

*Assistant Editor* E. MACDOUGALL

VOLUME 114, PARTS V–VI

*Edited by* W. I. MCDONALD

*Deputy Editor* J. B. CLARK

*with the help of*

H. BACHELARD
E. BISIACH
R. S. J. FRACKOWIAK
D. I. GRAHAM
A. E. HARDING
M. J. G. HARRISON
J. S. KELLY
C. D. MARSDEN
J. MORGAN-HUGHES
M. A. RON
R. RUDGE
S. SHORVON

*Assistant Editor* C. A. LOVELIDGE

*Secretary and Treasurer* D. A. S. COMPSTON

★

OXFORD UNIVERSITY PRESS

1991

*Oxford University Press, Walton Street, Oxford OX2 6DP*
*Oxford New York Toronto*
*Delhi Bombay Calcutta Madras Karachi*
*Petaling Jaya Singapore Hong Kong Tokyo*
*Nairobi Dar es Salaam Cape Town*
*Melbourne Auckland*
*and associated companies in*
*Berlin Ibadan*

*Oxford is a trade mark of Oxford University Press*

© *Oxford University Press*

*Printed in Great Britain*

# BRAIN

## A JOURNAL OF NEUROLOGY

## INDEX FOR VOL. 114, 1991

---

## AUTHORS


**Abbs JH,** *see* Connor NP, 321
**Abbs JH,** *see* De Nil LF, 2145
**Agid Y,** *see* Dexter DT, 1953
**Agid Y,** *see* Pierrot-Deseilligny C, 1473
**Akazawa K,** *see* Kondo A, 979
**Alexander MP,** *see* Fischer RS, 245
**Allison T, McCarthy G, Wood CC, Jones SJ.** Potentials evoked in human and monkey cerebral cortex by stimulation of the median nerve: a review of scalp and intracranial recordings, 2465
**Alvord EC,** *see* Stewart WA, 1069
**Amassian VE, Somasundaram M, Rothwell JC, Britton T, Cracco JB, Cracco RQ, Maccabee PJ, Day BL.** Paraesthesias are elicited by single pulse, magnetic coil stimulation of motor cortex in susceptible humans, 2505
**Anderton BH,** *see* Leigh PN, 775
**Andrewes DG,** *see* Puce A, 1647
**Angerová Y,** *see* Paus T, 2051
**Ashby P,** *see* Brouwer B, 1395
**Ashe J, Hain TC, Zee DS, Schatz NJ.** Microsaccadic flutter. 461

**Baddeley A, Bressi S, Della Sala S, Logie R, Spinnler H.** The decline of working memory in Alzheimer's disease: a longitudinal study.
**Baig S, Yu-Ping J, Olsson T, Cruz M, Link H.** Cells secreting anti-MAG antibody occur in cerebrospinal fluid and bone marrow in patients with polyneuropathy associated with M component. 573
**Bandinelli S,** *see* Cohen LG, 615
**Bandini F,** *see* Tartaglione A, 1441
**Barbaro NM,** *see* Libet B, 1731
**Barbur JL,** *see* Weiskrantz L, 2269
**Barnes D, Munro PMG, Youl BD, Prineas JW, McDonald WI.** The longstanding MS lesion: a quantitative MRI and electron microscopic study. 1271
**Barrett G,** *see* Youl BD, 2437
**Barrett SF,** *see* Robbins JH, 1335
**Bartlett JR,** *see* Kartsounis LD, 2657
**Baskerville J,** *see* Weinshenker BG, 1045, 1057
**Bauer J,** *see* Paus T, 2051
**Becker P,** *see* Haribhai HC, 709
**Behr R, Hildebrandt G, Koca M, Brück K.** Modifications of thermoregulation in patients with suprasellar pituitary adenomas. 697
**Benna P,** *see* Ferrero P, 1759
**Benson PJ,** *see* Milner AD, 405
**Berciano J,** *see* Polo JM, 855
**Bergamasco B,** *see* Ferrero P, 1759
**Berkovic SF,** *see* Donnan GA, 51
**Berkovic SF,** *see* Puce A, 1647
**Berndt RS, Mitchum CC, Price TR.** Short-term memory and sentence comprehension: an investigation of a patient with crossed aphasia. 263
**Berthier ML, Starkstein SE, Leiguarda R, Ruiz A, Mayberg HS, Wagner H, Price TR, Robinson RG.** Transcortical aphasia: importance of the nonspeech dominant hemisphere in language repetition. 1409
**Bettucci D,** *see* Milner AD, 405
**Bhigjee AI,** *see* Haribhai HC, 709
**Bierner S,** *see* Cohen LG, 381
**Biezenbos JBM van den,** *see* Brunner HG, 2303
**Bill PLA,** *see* Haribhai HC, 709
**Binkhorst RA,** *see* Linssen WHJP, 2123
**Bladin PF,** *see* Donnan GA, 51
**Bladin PF,** *see* Puce A, 1647
**Blessing WW,** *see* Gai WP, 2253
**Blonder LX, Bowers D, Heilman KM.** The role of the right hemisphere in emotional communication. 1115
**Blonder LX,** *see* Bowers D, 2593
**Blonder LX,** *see* Kirk A, 1977
**Blumbergs PC,** *see* Gai WP, 2253
**Bolton D,** *see* Hymas N, 2203
**Boman DR,** *see* Hotson JR, 295
**Bonham JR,** *see* Xuereb JH, 1363
**Boniface SJ, Mills KR, Schubert M.** Responses of single spinal motoneurons to magnetic brain stimulation in healthy subjects and patients with multiple sclerosis. 643
**Boniface SJ,** *see* Mills KR, 2451

**Botez MI, Young SN.** Effects of anticonvulsant treatment and low levels of folate and thiamine on amine metabolites in cerebrospinal fluid. 333
**Bowers D, Blonder LX, Feinberg T, Heilman KM.** Differential impact of right and left hemisphere lesions on facial emotion and object imagery. 2593
**Bowers D,** *see* Blonder LX, 1115
**Boyages SC,** *see* Halpern J-P, 825
**Brandt Th.** Man in motion: historical and clinical aspects of vestibular function: a review. 2159
**Branscum B,** *see* Cohen LG, 381
**Bressi S,** *see* Baddeley A, 2521
**Bressler K,** *see* Sirigu A, 629
**Bridges PK,** *see* Kartsounis LD, 2657
**Brindley GS,** *see* Lueck CJ, 2069
**Britton T,** *see* Amassian VE, 2505
**Britton TC,** *see* Brown P, 1891
**Britton TC,** *see* Brown P, 1903
**Bromm B,** *see* Treede R-D, 1595
**Bronstein AM, Mossman S, Luxon LM.** The neck-eye reflex in patients with reduced vestibular and optokinetic function. 1
**Brooks DJ,** *see* Sawle GV, 541
**Brotchie P, Iansek R, Horne MK.** Motor function of the monkey globus pallidus: 1. Neuronal discharge and parameters of movement. 1667
**Brotchie P, Iansek R, Horne MK.** Motor function of the monkey globus pallidus: 2. Cognitive aspects of movement and phasic neuronal activity. 1685
**Brouwer B, Ashby P.** Altered corticospinal projections to lower limb motoneurons in subjects with cerebral palsy. 1395
**Brown P, Day BL, Rothwell JC, Thompson PD, Marsden CD.** Intrahemispheric and interhemispheric spread of cerebral cortical myoclonic activity and its relevance to epilepsy. 2333
**Brown P, Rothwell JC, Thompson PD, Britton TC, Day BL, Marsden CD.** New observations on the normal auditory startle reflex in man. 1891
**Brown P, Rothwell JC, Thompson PD, Britton TC, Day BL, Marsden CD.** The hyperekplexias and their relationship to the normal startle reflex. 1903
**Brown P, Thompson PD, Rothwell JC, Day BL, Marsden CD.** Axial myoclonus of propriospinal origin. 197
**Brown RG, Marsden CD.** Dual task performance and processing resources in normal subjects and patients with Parkinson's disease. 215
**Brown VJ, Robbins TW.** Simple and choice reaction time performance following unilateral striatal dopamine depletion in the rat: impaired motor readiness but preserved response preparation. 513
**Brück K,** *see* Behr R, 697
**Brumback RA,** *see* Robbins JH, 1335
**Brunner HG, Smeets HJM, Nillesen W, Oost BA van, Biezenbos JBM van den, Joosten EMG, Pinckers AJLG, Hamel BCJ, Theeuwes AGM, Wieringa B, Ropers H-H.** Myotonic dystrophy: predictive value of normal results on clinical examination. 2303
**Buller J,** *see* Leigh PN, 775
**Bulman DE, Sadovnick AD, Ebers GC.** Age of onset in siblings concordant for multiple sclerosis. 937
**Burgess PW,** *see* Shallice T, 727
**Burke D,** *see* Macefield G, 527
**Butters N,** *see* Hodges JR, 1547
**Butterworth B,** *see* Cipolotti L, 2619

**Calleja J,** *see* Polo JM, 855
**Candy JM,** *see* Xuereb JH, 1363
**Caramazza A,** *see* Hillis AE, 2081
**Carayon A,** *see* Dexter DT, 1953
**Carl JR,** *see* Robbins JH, 1335
**Carriere W,** *see* Weinshenker BG, 1045, 1057
**Castiello U, Paulignan Y, Jeannerod M.** Temporal dissociation of motor responses and subjective awareness: a study in normal subjects. 2639
**Cejnar M,** *see* Hornyak M, 1281
**Černý R,** *see* Paus T, 2051
**Chauvel P,** *see* Liegeois-Chauvel C, 139
**Chaze M,** *see* Ryvlin P, 2363
**Cho E-S,** *see* Devinsky O, 1181
**Cho S,** *see* Robbins JH, 1335
**Chollet F,** *see* Wise R, 1803
**Cinotti L,** *see* Ryvlin P, 2363
**Cipolotti L, Butterworth B, Denes G.** A specific deficit for numbers in a case of dense acalculia. 2619
**Cohen LG, Bandinelli S, Findley TW, Hallett M.** Motor reorganization after upper limb amputation in man: a study with focal magnetic stimulation. 615
**Cohen LG, Meer J, Tarkka I, Bierner S, Leiderman DB, Dubinsky RM, Sanes JN, Jabbari B, Branscum B, Hallett M.** Congenital mirror movements: abnormal organization of motor pathways in two patients. 381
**Collins JK,** *see* Halpern J-P, 825
**Colombo A,** *see* De Renzi E, 1719
**Combarros O,** *see* Polo JM, 855
**Connor NP, Abbs JH.** Task-dependent variations in parkinsonian motor impairments. 321
**Cooper JA, Sagar HJ, Jordan N, Harvey NS, Sullivan EV.** Cognitive impairment in early, untreated Parkinson's disease and its relationship to motor disability. 2095
**Coslett HB, Saffran E.** Simultanagnosia: to see but not two see. 1523
**Cowey A,** *see* Stoerig P, 1487
**Cracco JB,** *see* Amassian VE, 2505
**Cracco RQ,** *see* Amassian VE, 2505
**Cramon D von,** *see* Zihl J, 2235
**Crawford TJ,** *see* Lueck CJ, 2069
**Crul T,** *see* Praamstra P, 1197
**Cruz M,** *see* Baig S, 573
**Cuzner ML,** *see* Newcombe J, 1013

**Daniel SE,** *see* Dexter DT, 1953
**Daniels GL,** *see* Hardie RJ, 13
**Davidson DLW,** *see* Milner AD, 405
**Davies L,** *see* Hawke SHB, 2175
**Day BL,** *see* Amassian VE, 2505
**Day BL,** *see* Brown P, 197, 1891, 1903
**Deary IJ, Hunter R, Langan SJ, Goodwin GM.** Inspection time, psychometric intelligence and clinical estimates of cognitive ability in pre-senile Alzheimer's disease and Korsakoff's psychosis. 2543

**De Haan EHF, Young AW, Newcombe F.** Covert and overt recognition in prosopagnosia. 2575
**Della Sala S,** *see* Baddeley A, 2521
**Denckla MB,** *see* Robbins JH, 1335
**Denes G,** *see* Cipolotti L, 2619
**De Nil LF, Abbs JH.** Kinaesthetic acuity of stutterers and non-stutterers for oral and non-oral movements. 2145
**De Renzi E, Colombo A, Scarpa M.** The aphasic isolate: a clinical-CT scan study of a particularly severe subgroup of global aphasics. 1719
**Devinsky O, Cho E-S, Petito CK, Price RW.** Herpes zoster myelitis. 1181
**Dexter DT, Carayon A, Javoy-Agid F, Agid Y, Wells FR, Daniel SE, Lees AJ, Jenner P, Marsden CD.** Alterations in the levels of iron, ferritin and other trace metals in Parkinson's disease and other neurodegenerative diseases affecting the basal ganglia. 1953
**Dichgans J,** *see* Klockgether T, 1559
**Diesfeldt HFA.** Impaired phonological reading in primary degenerative dementia. 1631
**Dinner DS,** *see* Lüders H, 743
**di Pellegrino G, Wise SP.** A neurophysiological comparison of three distinct regions of the primate frontal lobe. 951
**Don M,** *see* Starr A, 1157
**Donnan GA, Bladin PF, Berkovic SF, Longley WA, Saling MM.** The stroke syndrome of striatocapsular infarction. 51
**Drislane FW,** *see* Sparr SA, 789
**Drummond PD, Finch PM, Smythe GA.** Reflex sympathetic dystrophy: the significance of differing plasma catecholamine concentrations in affected and unaffected limbs. 2025
**Dubinsky RM,** *see* Cohen LG, 381
**du Boulay EPGH,** *see* Hawkins CP, 801
**du Boulay EPGH,** *see* Newcombe J, 1013
**du Boulay GH,** *see* Turano G, 663
**Duchen LW,** *see* Hardie RJ, 13
**Duhamel J-R,** *see* Sirigu A, 2555

**Eastman CJ,** *see* Halpern J-P, 825
**Ebers GC,** *see* Bulman DE, 937
**Ebers GC,** *see* Weinshenker BG, 1045, 1057
**Ebner TJ,** *see* Johnson MTV, 443
**Elam M,** *see* Hornyak, 1281
**Ellis EA,** *see* Guy J, 281
**Emerson S,** *see* Guy J, 281
**Endo C,** *see* Kakigi R, 1871
**Epps K,** *see* Hymas N, 2203
**Esiri M,** *see* Gay D, 557
**Eva C,** *see* Ferrero P, 1759

**Favale E,** *see* Tartaglione A, 1441
**Fearnley JM, Lees AJ.** Ageing and Parkinson's disease: substantia nigra regional selectivity. 2283
**Feinberg T,** *see* Bowers D, 2593
**Fellows SJ,** *see* Thilmann AF, 233
**Ferrero P, Rocca P, Eva C, Benna P, Rebaudengo N, Ravizza L, Genazzani E, Bergamasco B.** An analysis of lymphocyte $^{3}$H-N-methyl-scopolamine binding in neurological patients: evidence of altered binding in Alzheimer's disease. 1759
**Fierz W,** *see* Lassmann H, 429
**Finch PM,** *see* Drummond PD, 2025
**Findley TW,** *see* Cohen LG, 615
**Fischer B,** *see* Karnath HO, 1997
**Fischer RS, Alexander MP, Gabriel C, Gould E, Milione J.** Reversed lateralization of cognitive functions in right handers: exceptions to classical aphasiology. 245
**Frackowiak R,** *see* Wise R, 1803
**Frackowiak RSJ,** *see* Sawle GV, 541, 2191
**Frieling A,** *see* Treede R-D, 1595
**Friston K,** *see* Wise R, 1803
**Froment JC,** *see* Ryvlin P, 2363
**Fujimura H, Lacroix C, Said G.** Vulnerability of nerve fibres to ischaemia: a quantitative light and electron microscope study. 1929
**Furukawa T,** *see* Yokota T, 1381

**Gabreëls FJM,** *see* Gabreëls-Festen AAWM, 1855
**Gabreëls-Festen AAWM, Joosten EMG, Gabreëls FJM, Jennekens FGI, Gooskens RHJM, Stegeman DF.** Hereditary motor and sensory neuropathy of neuronal type with onset in early childhood. 1855
**Gabriel C,** *see* Fischer RS, 245
**Gaffan D, Gaffan EA.** Amnesia in man following transection of the fornix: a review. 2611
**Gaffan D, Harrison S.** Auditory-visual associations, hemispheric specialization, and temporal-frontal interaction in the rhesus monkey. 2133
**Gaffan D,** *see* Gaffan EA, 1297
**Gaffan EA, Gaffan D, Hodges JR.** Amnesia following damage to the left fornix and to other sites: a comparative study. 1297
**Gaffan EA,** *see* Gaffan D, 2611
**Gai WP, Halliday GM, Blumbergs PC, Geffen LB, Blessing WW.** Substance P-containing neurons in the mesopontine tegmentum are severely affected in Parkinson's disease. 2253
**Gallo J-M,** *see* Leigh PN, 775
**Galy G,** *see* Ryvlin P, 2363
**Gandevia SC,** *see* Lloyd AR, 85
**Ganges MB,** *see* Robbins JH, 1335
**Garms E,** *see* Thilmann AF, 233
**Garofalo O,** *see* Leigh PN, 775
**Gay D, Esiri M.** Blood-brain barrier damage in acute multiple sclerosis plaques: an immunocytological study. 557
**Gaymard B,** *see* Pierrot-Deseilligny C, 1473
**Geffen LB,** *see* Gai WP, 2253
**Genazzani E,** *see* Ferrero P, 1759
**George D,** *see* Wall M, 155
**Gerber LH,** *see* Robbins JH, 1335
**Gijn J van,** *see* Swieten JC van, 761
**Gilbey SG,** *see* Llewelyn JG, 867
**Gleason CA,** *see* Libet B, 1731
**Goadsby PJ, Zagami AS.** Stimulation of the superior sagittal sinus increases metabolic activity and blood flow in certain regions of the brainstem and upper cervical spinal cord of the cat. 1001
**Godoy J,** *see* Lüders H, 743
**Goodwin GM,** *see* Deary IJ, 2543
**Gooskens RHJM,** *see* Gabreëls-Festen AAWM, 1855

**Goss-Sampson MA,** *see* Southam E, 915
**Gould E,** *see* Fischer RS, 245
**Grafman J,** *see* Sirigu A, 629
**Grodd W,** *see* Klockgether T, 1559
**Guiloff RJ, Modarres-Sadeghi H.** Preferential generation of recurrent responses by groups of motor neurons in man: conventional and single unit F wave studies. 1771
**Guo Y-P,** *see* Hawke SHB, 2175
**Guthrie RA,** *see* Robbins JH, 1335
**Guy J, Ellis EA, Hope GM, Emerson S.** Maintenance of myelinated fibre g ratio in acute experimental allergic encephalomyelitis. 281

**Haaland KY,** *see* Harrington DL, 99
**Hadar U,** *see* Wise R, 1803
**Hagoort P,** *see* Praamstra P, 1197
**Hahn J,** *see* Lüders H, 743
**Hain TC,** *see* Ashe J, 461
**Hales JP,** *see* Lloyd AR, 85
**Hall LD,** *see* Stewart WA, 1069
**Hallett M,** *see* Cohen LG, 381, 615
**Halliday AM,** *see* Youl BD, 2437
**Halliday GM,** *see* Gai WP, 2253
**Halpern J-P, Boyages SC, Maberly GF, Collins JK, Eastman CJ, Morris JGL.** The neurology of endemic cretinism: a study of two endemias. 825
**Hamel BCJ,** *see* Brunner HG, 2303
**Hamlyn P,** *see* Lueck CJ, 2069
**Hamsher K,** *see* Tartaglione A, 1441
**Handa Y,** *see* Hayashi M, 2681, 2693
**Hardie RJ, Pullon HWH, Harding AE, Owen JS, Pires M, Daniels GL, Imai Y, Misra VP, King RHM, Jacobs JM, Tippett P, Duchen LW, Thomas PK, Marsden CD.** Neuroacanthocytosis: a clinical, haematological and pathological study of 19 cases. 13
**Harding AE,** *see* Hardie RJ, 13
**Haribhai HC, Bhigjee AI, Bill PLA, Pammenter MD, Modi G, Hoffmann M, Kelbe C, Becker P.** Spinal cord schistosomiasis: a clinical, laboratory and radiological study, with a note on therapeutic aspects. 709
**Harlow A,** *see* Weiskrantz L, 2269
**Harrington DL, Haaland KY.** Sequencing in Parkinson's disease: abnormalities in programming and controlling movement. 99
**Harrison S,** *see* Gaffan D, 2133
**Harvey NS,** *see* Cooper JA, 2095
**Hawke SHB, Davies L, Pamphlett R, Guo Y-P, Pollard JD, McLeod JG.** Vasculitic neuropathy: a clinical and pathological study. 2175
**Hawkins CP, MacKenzie F, Tofts P, du Boulay EPGH, McDonald WI.** Patterns of blood-brain barrier breakdown in inflammatory demyelination. 801
**Hawkins CP,** *see* Newcombe J, 1013
**Hayashi M, Handa Y, Kobayashi H, Kawano H, Ishii H, Hirose S.** Plateau-wave phenomenon: 1. Correlation between the appearance of plateau waves and CSF circulation in patients with intracranial hypertension. 2681
**Hayashi M, Kobayashi H, Handa Y, Kawano H, Hirose S, Ishii H.** Plateau-wave phenomenon: 2. Occurrence of brain herniation in patients with and without plateau waves. 2693
**Hayes GM,** *see* Newcombe J, 1013
**Head D,** *see* Hymas N, 2203
**Heeley DW,** *see* Milner AD, 405
**Heilman KM,** *see* Blonder LX, 1115
**Heilman KM,** *see* Bowers D, 2593
**Heilman KM,** *see* Kirk A, 1977
**Henderson CL,** *see* Newcombe J, 1013
**Hesselink JR,** *see* Jernigan TL, 2037
**Hijdra A,** *see* Swieten JC van, 761
**Hildebrandt G,** *see* Behr R, 697
**Hillis AE, Caramazza A.** Category-specific naming and comprehension impairment: a double dissociation. 2081
**Hirose K,** *see* Yokota T, 1381
**Hirose S,** *see* Hayashi M, 2681, 2693
**Hodges JR, Salmon DP, Butters N.** The nature of the naming deficit in Alzheimer's and Huntington's disease. 1547
**Hodges JR,** *see* Gaffan EA, 1297
**Hoffman M,** *see* Haribhai HC, 709
**Hoffner E,** *see* Wise R, 1803
**Honavar M, Tharakan JKJ, Hughes RAC, Leibowitz S, Winer JB.** A clinicopathological study of the Guillain-Barré syndrome: nine cases and literature review. 1245
**Hope GM,** *see* Guy J, 281
**Horne MK,** *see* Brotchie P, 1667, 1685
**Hornyak M, Cejnar M, Elam M, Matousek M, Wallin BG.** Sympathetic muscle nerve activity during sleep in man. 1281
**Horton JC, Hoyt WF.** Quadrantic visual field defects: a hallmark of lesions in extrastriate (V2/V3) cortex. 1703
**Hosobuchi Y,** *see* Libet B, 1731
**Hotson JR, Boman DR.** Memory-contingent saccades and the substantia nigra postulate for essential blepharospasm. 295
**Hout JHW van den,** *see* Swieten JC van, 761
**Hoyt WF,** *see* Horton JC, 1703
**Hruby S,** *see* Stewart WA, 1069
**Huber W,** *see* Hund M, 1315
**Hudson AJ,** *see* Kiernan JA, 843
**Hughes RAC,** *see* Honavar M, 1245
**Hund M, Huber W.** Eye movement behaviour of patients with cerebral microangiopathy and macroangiopathy in simple visual detection tasks. 1315
**Hunter R,** *see* Deary IJ, 2543
**Hymas N, Lees A, Bolton D, Epps K, Head D.** The neurology of obsessional slowness. 2203
**Hymas NF,** *see* Sawle GV, 2191

**Iansek R,** *see* Brotchie P, 1667, 1685
**Ikeda H,** *see* Jenkins HG, 309
**Imai Y,** *see* Hardie RJ, 13
**Inglese ML,** *see* Tartaglione A, 1441
**Isaacs EB,** *see* Vargha-Khadem F, 473
**Ishii H,** *see* Hayashi M, 2681, 2693

**Jabbari B,** *see* Cohen LG, 381
**Jacobs JM,** *see* Hardie RJ, 13
**James CL,** *see* Trugman JM, 1429
**Javoy-Agid F,** *see* Dexter DT, 1953
**Jay M,** *see* Sparr SA, 789
**Jeannerod M,** *see* Castiello U, 2639
**Jenkins HG, Ikeda H.** Changes in fast axonal transport of

glycoproteins in optic nerves of mice infected with Semliki Forest virus. 309
**Jennekens FGI,** *see* Gabreëls-Festen AAWM, 1855
**Jenner P,** *see* Dexter DT, 1953
**Jernigan TL, Trauner DA, Hesselink JR, Tallal PA.** Maturation of human cerebrum observed *in vivo* during adolescence. 2037
**Johnson MTV, Kipnis AN, Lee MC, Loewenson RB, Ebner TJ.** Modulation of the stretch reflex during volitional sinusoidal tracking in Parkinson's disease. 443
**Johnston RS,** *see* Milner AD, 405
**Jones SJ,** *see* Allison T, 2465
**Jones SJ,** *see* Turano G, 663
**Jones SJ,** *see* Youl BD, 2437
**Jones-Gotman M,** *see* Zatorre RJ, 71
**Joosten EMG,** *see* Brunner HG, 2303
**Joosten EMG,** *see* Gabreëls-Festen AAWM, 1855
**Joosten EMG,** *see* Linssen WHJP, 2123
**Jordan N,** *see* Cooper JA, 2095
**Jordan TR,** *see* Milner AD, 405

**Kakigi R, Shibasaki H, Kuroda Y, Neshige R, Endo C, Tabuchi K, Kishikawa T.** Pain-related somatosensory evoked potentials in syringomyelia. 1871
**Kakigi R,** *see* Turano G, 663
**Kalina M,** *see* Paus T, 2051
**Kamo T,** *see* Tanaka Y, 2385
**Kanda T, Tsukagoshi H, Oda M, Miyamoto K, Tanabe H.** Morphological changes in unmyelinated nerve fibres in the sural nerve with age. 585
**Karnath HO, Schenkel P, Fischer B.** Trunk orientation as the determining factor of the 'contralateral' deficit in the neglect syndrome and as the physical anchor of the internal representation of body orientation in space. 1997
**Kartsounis LD, Poynton A, Bridges PK, Bartlett JR.** Neuropsychological correlates of stereotactic subcaudate tractotomy: a prospective study. 2657
**Kawano H,** *see* Hayashi M, 2681, 2693
**Kelbe C,** *see* Haribhai HC, 709
**Kendall BE,** *see* Youl BD, 2437
**Kennard C,** *see* Lueck CJ, 2069
**Ketel BA van,** *see* Sweiten JC van, 761
**Kiernan JA, Hudson AJ.** Changes in sizes of cortical and lower motor neurons in amyotrophic lateral sclerosis. 843
**King RHM,** *see* Hardie RJ, 13
**King RHM,** *see* Llewelyn JG, 867
**King RHM,** *see* Southam E, 915
**Kipnis AN,** *see* Johnson MTV, 443
**Kirk A, Blonder LX, Wertman E, Heilman KM.** Phonolexical agraphia: superimposition of acquired lexical agraphia on developmental phonological dysgraphia. 1977
**Kishikawa T,** *see* Kakigi R, 1871
**Klockgether T, Petersen D, Grodd W, Dichgans J.** Early onset cerebellar ataxia with retained tendon reflexes: clinical, electrophysiological and MRI observations in comparison with Friedreich's ataxia. 1559
**Kobayashi H,** *see* Hayashi M, 2681, 2693
**Koca M,** *see* Behr R, 697
**Kondo A, Nagara H, Akazawa K, Tateishi J, Serikawa T, Yamada J.** CNS pathology in the neurological mutant rats zitter, tremor and zitter-tremor double mutant (spontaneously epileptic rat, SER): exaggeration of clinical and neuropathological phenotypes in SER. 979
**Kopelman MD.** Frontal dysfunction and memory deficits in the alcoholic Korsakoff syndrome and Alzheimer-type dementia. 117
**Kothe AC,** *see* Regan D, 1129
**Krabec P,** *see* Paus T, 2051
**Kulikowski JJ,** *see* Russell MHA, 2419
**Kunze K,** *see* Treede R-D, 1595
**Kuroda Y,** *see* Kakigi R, 1871

**Lacroix C,** *see* Fujimura H, 1929
**Landais P,** *see* Ryvlin P, 2363
**Langan SJ,** *see* Deary IJ, 2543
**Lankers J,** *see* Treede R-D, 1595
**Larson WL,** *see* Ptito A, 1323
**Lassmann H, Fierz W, Neuchrist C, Meyermann R.** Chronic relapsing experimental allergic neuritis induced by repeated transfer of $P_2$-protein reactive T cell lines. 429
**Lassonde M,** *see* Ptito A, 497
**Lavenne F,** *see* Ryvlin P, 2363
**Le Bars D,** *see* Ryvlin P, 2363
**Lee MC,** *see* Johnson MTV, 443
**Lees A,** *see* Hymas N, 2203
**Lees AJ,** *see* Dexter DT, 1953
**Lees AJ,** *see* Fearnley JM, 2283
**Lees AJ,** *see* Sawle GV, 2191
**Leibowitz S,** *see* Honavar M, 1245
**Leiderman DB,** *see* Cohen LG, 381
**Leigh PN, Whitwell H. Garofalo O, Buller J, Swash M, Martin JE, Gallo J-M, Weller RO, Anderton BH.** Ubiquitin-immunoreactive intraneuronal inclusions in amyotrophic lateral sclerosis: morphology, distribution, and specificity. 775
**Leiguarda R,** *see* Berthier ML, 1409
**Lepore F,** *see* Ptito A, 497
**Lesser RP,** *see* Lüders H, 743
**Levander M,** *see* Tegnér R, 1943
**Levy IS,** *see* Lueck CJ, 2069
**Libet B, Pearl DK, Morledge DE, Gleason CA, Hosobuchi Y, Barbaro NM.** Control of the transition from sensory detection to sensory awareness in man by the duration of a thalamic stimulus: the cerebral 'time-on' factor. 1731
**Liegeois-Chauvel C, Musolino A, Chauvel P.** Localization of the primary auditory area in man. 139
**Link H,** *see* Baig S, 573
**Linssen WHJP, Stegeman DF, Joosten EMG, Merks HJH, ter Laak HJ, Binkhorst RA, Notermans SLH.** Force and fatigue in human type I muscle fibres: a surface EMG study in patients with congenital myopathy and type I fibre predominance. 2123
**Llewelyn JG, Gilbey SG, Thomas PK, King RHM, Muddle JR, Watkins PJ.** Sural nerve morphometry in diabetic autonomic and painful sensory neuropathy: a clinicopathological study. 867
**Lloyd AR, Gandevia SC, Hales JP.** Muscle performance, voluntary activation, twitch properties and perceived effort in normal subjects and patients with the chronic fatigue syndrome. 85

**Loewenson RB,** *see* Johnson MTV, 443
**Logie R,** *see* Baddeley A, 2521
**Longley WA,** *see* Donnan GA, 51
**Lüders H, Lesser RP, Hahn J. Dinner DS, Morris HH, Wyllie E, Godoy J.** Basal temporal language area. 743
**Lueck CJ, Hamlyn P, Crawford TJ, Levy IS, Brindley GS, Watkins ES, Kennard C.** A case of ocular tilt reaction and torsional nystagmus due to direct stimulation of the midbrain in man. 2069
**Luquin MR,** *see* Vaamonde J, 601
**Luxford W,** *see* Starr A, 1157
**Luxon LM,** *see* Bronstein AM, 1

**Maassen B,** *see* Praamstra P, 1197
**Maberly GF,** *see* Halpern J-P, 825
**Maccabee PJ,** *see* Amassian VE, 2505
**McCarthy G,** *see* Allison T, 2465
**Macefield G, Burke D.** Paraesthesiae and tetany induced by voluntary hyperventilation: increased exitability of human cutaneous and motor axons. 527
**McCloskey DI,** *see* Taylor JL, 755
**McDonald WI,** *see* Barnes D, 1271
**McDonald WI,** *see* Hawkins CP, 801
**McDonald WI,** *see* Newcombe J, 1013
**McDonald WI,** *see* Turano G, 663
**McDonald WI,** *see* Youl BD, 2437
**MacKenzie F,** *see* Hawkins CP, 801
**McLeod JG,** *see* Hawke SHB, 2175
**MacManus D,** *see* Newcombe J, 1013
**MacManus DG,** *see* Youl BD, 2437
**McPherson D,** *see* Starr A, 1157
**Mai N,** *see* Zihl J, 2235
**Marsden CD,** *see* Brown P, 197, 1891, 1903, 2333
**Marsden CD,** *see* Brown RG, 215
**Marsden CD,** *see* Dexter DT, 1953
**Marsden CD,** *see* Hardie RJ, 13
**Marsden CD,** *see* Sawle GV, 541
**Marshall E,** *see* Xuereb JH, 1363
**Martin JE,** *see* Leigh PN, 775
**Matousek M,** *see* Hornyak M, 1281
**Matsunaga T,** *see* Yokota T, 1381
**Mauguière F,** *see* Restuccia D, 361
**Mauguière F,** *see* Ryvlin P, 2363
**Mayberg HS,** *see* Berthier ML, 1409
**Mecir P,** *see* Paus T, 2051
**Meer J,** *see* Cohen LG, 381
**Meer J,** *see* Robbins JH, 1335
**Mendiones M,** *see* Robbins JH, 1335
**Merks HJH,** *see* Linssen WHJP, 2123
**Metcalfe RA,** *see* Russell MHA, 2419
**Meyermann R,** *see* Lassmann H, 429
**Mijović D.** Mechanisms of visual spatial neglect: absence of directional hypokinesia in spatial exploration. 1575
**Milione J,** *see* Fischer RS, 245
**Miller DH,** *see* Turano G, 663
**Miller DH,** *see* Youl BD, 2437
**Mills KR, Boniface SJ, Schubert M.** Origin of the secondary increase in firing probability of human motor neurons following transcranial magnetic stimulation: studies in healthy subjects, type I hereditary motor and sensory neuropathy and multiple sclerosis. 2451
**Mills KR,** *see* Boniface SJ, 643
**Milner AD, Perrett DI, Johnston RS, Benson PJ, Jordan TR, Heeley DW, Bettucci D, Mortara F, Mutani R, Terazzi E, Davidson DLW.** Perception and action in 'visual form agnosia'. 405
**Misra VP,** *see* Hardie RJ, 13
**Mitchum CC,** *see* Berndt RS, 263
**Miyamoto K,** *see* Kanda T, 585
**Modarres-Sadeghi H,** *see* Guiloff RJ, 1771
**Modi G,** *see* Haribhai HC, 709
**Moore SG,** *see* Youl BD, 2437
**Morledge DE,** *see* Libet B, 1731
**Morris HH,** *see* Lüders H, 743
**Morris JGL,** *see* Halpern J-P, 825
**Mortara F,** *see* Milner AD, 405
**Moseley IF,** *see* Youl BD, 2437
**Moshell AN,** *see* Robbins JH, 1335
**Mossman S,** *see* Bronstein AM, 1
**Muddle JR,** *see* Llewelyn JG, 867
**Muller DPR,** *see* Southam E, 915
**Munro PMG,** *see* Barnes D, 1271
**Murray IJ,** *see* Russell MHA, 2419
**Musolino A,** *see* Liegeois-Chauvel C, 139
**Mutani R,** *see* Milner AD, 405

**Nagara H,** *see* Kondo A, 979
**Nagy ME,** *see* Rugg MD, 2313
**Nardone A,** *see* Schieppati M, 1227
**Neshige R,** *see* Kakigi R, 1871
**Neuchrist C,** *see* Lassmann H, 429
**Newcombe F,** *see* De Haan EHF, 2575
**Newcombe J, Hawkins CP, Henderson CL, Patel HA, Woodroofe MN, Hayes GM, Cuzner ML, MacManus D, du Boulay EPGH, McDonald WI.** Histopathology of multiple sclerosis lesions detected by magnetic resonance imaging in unfixed postmortem central nervous system tissue. 1013
**Nillesen W,** *see* Brunner HG, 2303
**Noseworthy JH,** *see* Weinshenker BG, 1045, 1057
**Notermans SLH,** *see* Linssen WHJP, 2123
**Noth J,** *see* Podoll K, 1457

**Obeso JA,** *see* Vaamonde J, 601
**Ochoa JL,** *see* Yarnitsky D, 907, 1819
**Oda M,** *see* Kanda T, 585
**Okiyama R,** *see* Yokota T, 1381
**Olsson T,** *see* Baig S, 573
**Oost BA van,** *see* Brunner HG, 2303
**Owen JS,** *see* Hardie RJ, 13

**Pammenter MD,** *see* Haribhai HC, 709
**Pamphlett R,** *see* Hawke SHB, 2175
**Papaleloudi H,** *see* Vargha-Khadem F, 473
**Patel HA,** *see* Newcombe J, 1013
**Patocková L,** *see* Paus T, 2051
**Patterson J,** *see* Starr A, 1157
**Paty DW,** *see* Stewart WA, 1069
**Paulignan Y,** *see* Castiello U, 2639
**Paus T, Kalina M, Patocková L, Angerová Y, Cerný R, Mecir P, Bauer J, Krabec P.** Medial vs lateral frontal lobe lesions and differential impairment of central-gaze fixation maintenance in man. 2051

**Pearl DK,** *see* Libet B, 1731
**Pender MP,** *see* Stanley GP, 1827
**Perrett DI,** *see* Milner AD, 405
**Perry EK,** *see* Xuereb JH, 1363
**Perry RH,** *see* Xuereb JH, 1363
**Petersen D,** *see* Klockgether T, 1559
**Petito CK,** *see* Devinsky O, 1181
**Pickles CD,** *see* Rugg MD, 2313
**Pierrot-Deseilligny C, Rivaud S, Gaymard B, Agid Y.** Cortical control of reflexive visually guided saccades. 1473
**Pinckers A, LG,** *see* Brunner HG, 2303
**Pires M,** *see* Hardie RJ, 13
**Podoll K, Schwarz M, Noth J.** Language functions in progressive supranuclear palsy, 1457
**Polinsky RJ,** *see* Robbins JH, 1335
**Polkey CE,** *see* Vargha-Khadem F, 473
**Pollard JD,** *see* Hawke SHB, 2175
**Polo JM, Calleja J, Combarros O, Berciano J.** Hereditary ataxias and paraplegias in Cantabria, Spain: an epidemiological and clinical study. 855
**Poncet M,** *see* Sirigu A, 2555
**Potter DD,** *see* Rugg MD, 2313
**Poynton A,** *see* Kartsounis LD, 2657
**Praamstra P, Hagoort P, Maassen B, Crul T.** Word deafness and auditory cortical function: a case history and hypothesis. 1197
**Price RW,** *see* Devinsky O, 1181
**Price TR,** *see* Berndt RS, 263
**Price TR,** *see* Berthier ML, 1409
**Prineas JW,** *see* Barnes D, 1271
**Ptito A, Lepore F, Ptito M, Lassonde M.** Target detection and movement discrimination in the blind field of hemispherectomized patients. 497
**Ptito A, Zatorre RJ, Larson WL, Tosoni C.** Stereopsis after unilateral anterior temporal lobectomy: dissociation between local and global measures. 1323
**Ptito M,** *see* Ptito A, 497
**Puce A, Andrewes DG, Berkovic SF, Bladin PF.** Visual recognition memory: neurophysiological evidence for the role of temporal white matter in man. 1647
**Pullon HWH,** *see* Hardie RJ, 13

**Ravin PD,** *see* Robbins JH, 1335
**Ravizza L,** *see* Ferrero P, 1759
**Rebaudengo N,** *see* Ferrero P, 1759
**Regan D, Kothe AC, Sharpe JA.** Recognition of motion-defined shapes in patients with multiple sclerosis and optic neuritis. 1129
**Restuccia D, Mauguière F.** The contribution of median nerve SEPs in the functional assessment of the cervical spinal cord in syringomyelia: a study of 24 patients. 361
**Rice GPA,** *see* Weinshenker BG, 1045, 1057
**Rivaud S,** *see* Pierrot-Deseilligny C, 1473
**Robbins JH, Brumback RA, Mendiones M, Barrett SF, Carl JR, Cho S, Denckla MB, Ganges MB, Gerber LH, Guthrie RA, Meer J, Moshell AN, Polinsky RJ, Ravin PD, Sonies BC, Tarone RE.** Neurological disease in xeroderma pigmentosum: documentation of a late onset type of the juvenile onset form. 1335
**Robbins TW,** *see* Brown VJ, 513
**Roberts RC,** *see* Rugg MD, 2313
**Robinson RG,** *see* Berthier ML, 1409
**Rocca P,** *see* Ferrero P, 1759
**Ropers H-H,** *see* Brunner HG, 2303
**Rothwell JC,** *see* Amassian VE, 2505
**Rothwell JC,** *see* Brown P, 197, 1891, 1903, 2333
**Rudge P, Warrington EK.** Selective impairment of memory and visual perception in splenial tumours. 349
**Rugg MD, Roberts RC, Potter DD, Pickles CD, Nagy ME.** Event-related potentials related to recognition memory: effects of unilateral temporal lobectomy and temporal lobe epilepsy. 2313
**Ruiz A,** *see* Berthier ML, 1409
**Russell MHA, Murray LJ, Metcalfe RA, Kulikowsky JJ.** The visual defect in multiple sclerosis and optic neuritis: a combined psychophysical and electrophysiological investigation. 2419
**Ryvlin P, Cinotti L, Froment JC, le Bars D, Landais P, Chaze M, Galy G, Lavenne F, Serra JP, Mauguière F.** Metabolic patterns associated with non-specific magnetic resonance imaging abnormalities in temporal lobe epilepsy. 2363

**Sadovnick AD,** *see* Bulman DE, 937
**Saffran E,** *see* Coslett HB, 1523
**Sagar HJ,** *see* Cooper JA, 2095
**Sagar HJ,** *see* Sullivan EV, 893
**Said G,** *see* Fujimura H, 1929
**Saling MM,** *see* Donnan GA, 51
**Salmon DP,** *see* Hodges JR, 1547
**Samson S,** *see* Zatorre RJ, 2403
**Sanes JN,** *see* Cohen LG, 381
**Sawle GV, Brooks DJ, Marsden CD, Frackowiak RSJ.** Corticobasal degeneration: a unique pattern of regional cortical oxygen hypometabolism and striatal fluorodopa uptake demonstrated by positron emission tomography. 541
**Sawle GV, Hymas NF, Lees AJ, Frackowiak RSJ.** Obsessional slowness: functional studies with positron emission tomography. 2191
**Scarpa M,** *see* De Renzi E, 1719
**Schatz NJ,** *see* Ashe J, 461
**Schenkel P,** *see* Karnath HO, 1997
**Schieppati M, Nardone A.** Free and supported stance in Parkinson's disease: the effect of posture and 'postural set' on leg muscle responses to perturbation, and its relation to the severity of the disease. 1227
**Schmid Ch,** *see* Zihl J, 2235
**Schubert M,** *see* Boniface SJ, 643
**Schubert M,** *see* Mills KR, 2451
**Schwarz M,** *see* Podoll K, 1457
**Sergent J.** Processing of spatial relations within and between the disconnected cerebral hemispheres. 1025
**Serikawa T,** *see* Kondo A, 979
**Serra JP,** *see* Ryvlin P, 2363
**Shallice T, Burgess PW.** Deficits in strategy application following frontal lobe damage in man. 727
**Shannon R,** *see* Starr A, 1157
**Sharief MK, Thompson EJ.** Intrathecal immunoglobulin M synthesis in multiple sclerosis: relationship with clinical and cerebrospinal fluid parameters. 181
**Sharpe JA,** *see* Regan D, 1129
**Shibasaki H,** *see* Kakigi R, 1871

**Sininger Y,** *see* Starr A, 1157
**Sirigu A, Duhamel J-R, Poncet M.** The role of sensorimotor experience in object recognition: a case of multimodal agnosia. 2555
**Sirigu A, Grafman J, Bressler K, Sunderland T.** Multiple representations contribute to body knowledge processing: evidence from a case of autotopagnosia. 629
**Slatkin DN.** A history of boron neutron capture therapy of brain tumours: postulation of a brain radiation dose tolerance limit. 1609
**Smeets HJM,** *see* Brunner HG, 2303
**Smythe GA,** *see* Drummond PD, 2025
**Somasundaram M,** *see* Amassian VE, 2505
**Sonies BC,** *see* Robbins JH, 1335
**Southam E, Thomas PK, King RHM, Goss-Sampson MA, Muller DPR.** Experimental vitamin E deficiency in rats: morphological and functional evidence of abnormal axonal transport secondary to free radical damage. 915
**Spadavecchia L,** *see* Tartaglione A, 1441
**Sparr SA, Jay M, Drislane FW, Venna N.** A historic case of visual agnosia revisited after 40 years. 789
**Spinnler H,** *see* Baddeley A, 2521
**Stanley GP, Pender MP.** The pathophysiology of chronic relapsing experimental allergic encephalomyelitis in the Lewis rat. 1827
**Starkstein SE,** *see* Berthier ML, 1409
**Starr A, McPherson D, Patterson J, Don M, Luxford W, Shannon R, Sininger Y, Tonakawa L, Waring M.** Absence of both auditory evoked potentials and auditory percepts dependent on timing cues. 1157
**Stegeman DF,** *see* Gabreëls-Festen AAWM, 1855
**Stegeman DF,** *see* Linssen WHJP, 2123
**Stewart WA, Alvord EC, Hruby S, Hall LD, Paty DW.** Magnetic resonance imaging of experimental allergic encephalomyelitis in primates. 1069
**Stoerig P, Cowey A.** Increment-threshold spectral sensitivity in blindsight: evidence for colour opponency. 1487
**Sullivan EV, Sagar HJ.** Double dissociation of short-term and long-term memory for nonverbal material in Parkinson's disease and global amnesia: a further analysis. 893
**Sullivan EV,** *see* Cooper JA, 2095
**Sunderland T,** *see* Sirigu A, 629
**Swash M,** *see* Leigh PN, 775
**Swieten JC van, Hout JHW van den, Ketel BA van, Hijdra A, Wokke JHJ, Gijn J van.** Periventricular lesions in the white matter on magnetic resonance imaging in the elderly: a morphometric correlation with arteriolosclerosis and dilated perivascular spaces. 761

**Tabuchi K,** *see* Kakigi R, 1871
**Tallal PA,** *see* Jernigan TL, 2037
**Tanabe H,** *see* Kanda T, 585
**Tanabe H,** *see* Yokota T, 1381
**Tanaka Y, Kamo T, Yoshida M, Yamadori A.** 'So-called' cortical deafness: clinical, neurophysiological and radiological observations. 2385
**Tarkka I,** *see* Cohen LG, 381
**Tarone RE,** *see* Robbins JH, 1335
**Tartaglione A, Inglese ML, Bandini F, Spadavecchia L, Hamsher K, Favale E.** Hemisphere asymmetry in decision making abilities: an experimental study in unilateral brain damage. 1441
**Tateishi J,** *see* Kondo A, 979
**Taylor JL, McCloskey DI.** Illusions of head and visual target displacement induced by vibration of neck muscles. 755
**Tegnér R, Levander M.** Through a looking glass: a new technique to demonstrate directional hypokinesia in unilateral neglect. 1943
**Terazzi E,** *see* Milner AD, 405
**ter Laak HJ,** *see* Linssen WHJP, 2123
**Tharakan JKJ,** *see* Honavar M, 1245
**Theeuwes AGM,** *see* Brunner HG, 2303
**Thilmann AF, Fellows SJ, Garms E.** The mechanism of spastic muscle hypertonus: variation in reflex gain over the time course of spasticity. 233
**Thomas PK,** *see* Hardie RJ, 13
**Thomas PK,** *see* Llewelyn JG, 867
**Thomas PK,** *see* Southam E, 915
**Thompson EJ,** *see* Sharief MK, 181
**Thompson PD,** *see* Brown P, 197, 1891, 1903, 2333
**Tippett P,** *see* Hardie RJ, 13
**Tofts P,** *see* Hawkins CP, 801
**Tofts PS,** *see* Youl BD, 2437
**Tonakawa L,** *see* Starr A, 1157
**Tosoni C,** *see* Ptito A, 1323
**Towell AD,** *see* Youl BD, 2437
**Trauner DA,** *see* Jernigan TL, 2037
**Treede R-D, Lankers J, Frieling A, Zangemeister WH, Kunze K, Bromm B.** Cerebral potentials evoked by painful laser stimuli in patients with syringomyelia. 1595
**Trugman JM, James CL, Wooten GF.** D1/D2 dopamine receptor stimulation by L-DOPA: a [$^{14}$C]-2-deoxyglucose autoradiographic study. 1429
**Tsukagoshi H,** *see* Kanda T, 585
**Tsukagoshi H,** *see* Yokota T, 1381
**Turano G, Jones SJ, Miller DH, du Boulay GH, Kakigi R, McDonald WI.** Correlation of SEP abnormalities with brain and cervical cord MRI in multiple sclerosis. 663
**Turano G,** *see* Youl BD, 2437

**Vaamonde J, Luquin MR, Obeso JA.** Subcutaneous lisuride infusion in Parkinson's disease: response to chronic administration in 34 patients. 601
**Vargha-Khadem F, Isaacs EB, Papaleloudi H, Polkey CE, Wilson J.** Development of language in six hemispherectomized patients. 473
**Venna N,** *see* Sparr SA, 789

**Wagner H,** *see* Berthier ML, 1409
**Wall M, George D.** Idiopathic intracranial hypertension: a prospective study of 50 patients. 155
**Wallin BG,** *see* Hornyak, 1281
**Waring M,** *see* Starr A, 1157
**Warrington EK,** *see* Rudge P, 349
**Watkins ES,** *see* Lueck CJ, 2069
**Watkins PJ,** *see* Llewelyn JG, 867
**Weinshenker BG, Rice GPA, Noseworthy JH, Carriere W, Baskerville J, Ebers GC.** The natural history of multiple sclerosis: a geographically based study.

3. Multivariate analysis of predictive factors and models of outcome. 1045
**Weinshenker BG, Rice GPA, Noseworthy JH, Carriere W, Baskerville J, Ebers GC.** The natural history of multiple sclerosis: a geographically based study. 4. Applications to planning and interpretation of clinical therapeutic trials. 1057
**Weiskrantz L, Harlow A, Barbur JL.** Factors affecting visual sensitivity in a hemianopic subject. 2269
**Weller RO,** *see* Leigh PN, 775
**Wells FR,** *see* Dexter DT, 1953
**Wertman E,** *see* Kirk A, 1977
**Whitwell H,** *see* Leigh PN, 775
**Wieringa B,** *see* Brunner HG, 2303
**Wilson J,** *see* Vargha-Khadem F, 473
**Winer JB,** *see* Honavar M, 1245
**Wise R, Chollet F, Hadar U, Friston K, Hoffner E, Frackowiak R.** Distribution of cortical networks involved in word comprehension and word retrieval. 1803
**Wise SP,** *see* di Pellegrino G, 951
**Wokke JHJ,** *see* Swieten JC van, 761
**Wood CC,** *see* Allison T, 2465
**Woodroofe MN,** *see* Newcombe J, 1013
**Wooten GF,** *see* Trugman JM, 1429
**Wyllie E,** *see* Lüders H, 743

**Xuereb JH, Perry RH, Candy JM, Perry EK, Marshall E, Bonham JR.** Nerve cell loss in the thalamus in Alzheimer's disease and Parkinson's disease. 1363

**Yamada J,** *see* Kondo A, 979
**Yamadori A,** *see* Tanaka Y, 2385
**Yarnitsky D, Ochoa JL.** Differential effect of compression-ischaemia block on warm sensation and heat-induced pain. 907
**Yarnitsky D, Ochoa JL.** Warm and cold specific somatosensory systems: psychophysical thresholds, reaction times and peripheral conduction velocities. 1819
**Yokota T, Matsunaga T, Okiyama R, Hirose K, Tanabe H, Furukawa T, Tsukagoshi H.** Sympathetic skin response in patients with multiple sclerosis compared with patients with spinal cord transection and normal controls. 1381
**Yoshida M,** *see* Tanaka Y, 2385
**Youl BD, Turano G, Miller DH, Towell AD, MacManus DG, Moore SG, Jones SJ, Barrett G, Kendall BE, Moseley IF, Tofts PS, Halliday AM, McDonald WI.** The pathophysiology of acute optic neuritis: an association of gadolinium leakage with clinical and electrophysiological deficits. 2437
**Youl BD,** *see* Barnes D, 1271
**Young AW,** *see* De Haan EHF, 2575
**Young SN,** *see* Botez MI, 333
**Yu-Ping J,** *see* Baig S, 573

**Zagami AS,** *see* Goadsby PJ, 1001
**Zangemeister WH,** *see* Treede R-D, 1595
**Zatorre RJ, Jones-Gotman M.** Human olfactory discrimination after unilateral frontal or temporal lobectomy. 71
**Zatorre RJ, Samson S.** Role of the right temporal neocortex in retention of pitch in auditory short-term memory. 2403
**Zatorre RJ,** *see* Ptito A, 1323
**Zee DS,** *see* Ashe J, 461
**Zeki S.** Cerebral akinetopsia (visual motion blindness): a review. 811
**Zihl J, Cramon D von, Mai N, Schmid Ch.** Disturbance of movement vision after bilateral posterior brain damage: further evidence and follow-up observations. 2235

# TITLES AND SUBJECTS

**Absence of both auditory evoked potentials and auditory percepts dependent on timing cues** (Starr *et al.*), 1157
**Acalculia,** and number deficit (Cipolotti *et al.*), 2619
**Acute optic neuritis** (Youl *et al.*), 2437
**Age of onset in siblings concordant for multiple sclerosis** (Bulman *et al.*), 937
**Ageing and Parkinson's disease: substantia nigra regional selectivity** (Fearnley and Lees), 2283
**Ageing,** and white matter lesions (Swieten *et al.*), 761
**Agnosia,** object, and sensorimotor experience (Sirigu *et al.*), 2555
**Agnosia,** visual form (Milner *et al.*), 405
**Agraphia,** phonolexical (Kirk *et al.*), 1977
**Akinetopsia,** cerebral (Zeki), 811
**Alterations in the levels of iron, ferritin and other trace metals in Parkinson's disease and other neurodegenerative diseases affecting the basal ganglia** (Dexter *et al.*), 1953
**Altered corticospinal projections to lower limb motoneurons in subjects with cerebral palsy** (Brouwer and Ashby), 1395
**Alzheimer and Korsakoff patients' inspection time,** psychometric intelligence and cognitive ability (Deary *et al.*), 2543
**Alzheimer's disease,** alteration of lymphocyte muscarinic receptors (Ferrero *et al.*), 1759
**Alzheimer's disease,** and working memory (Baddeley *et al.*), 2521
**Alzheimer's disease,** frontal dysfunction and memory (Kopelman), 117
**Alzheimer's disease,** naming deficit (Hodges *et al.*), 1547
**Alzheimer's disease,** neuronal loss in thalamus (Xuereb *et al.*), 1363
**Amnesia following damage to the left fornix and to other sites: a comparative study** (Gaffan *et al.*), 1297
**Amnesia,** global, and memory (Sullivan and Sagar), 893
**Amnesia in man following transection of the fornix: a review** (Gaffan and Gaffan), 2611

**Amputation,** and motor reorganization (Cohen *et al.*), 615
**Amyloidosis,** with transthyretin variant (Staunton *et al.*), 2675
**Amyotrophic lateral sclerosis,** and neuron degeneration (Kiernan and Hudson), 843
**Amyotrophic lateral sclerosis,** and ubiquitin-immunoreactive inclusions (Leigh *et al.*), 775
**Analysis of lymphocyte $^{3}$H-N-methyl-scopolamine binding in neurological patients: evidence of altered binding in Alzheimer's disease** (Ferrero *et al.*), 1759
**Angiopathy,** and eye movements (Hund and Huber), 1315
**Anticonvulsants,** and amines (Botez and Young), 333
**Aphasia,** crossed (Berndt *et al.*), 263
**Aphasia,** transcortical (Berthier *et al.*), 1409
**Aphasic isolate: a clinical-CT scan study of a particularly severe subgroup of global aphasics** (De Renzi *et al.*), 1719
**Aphasiology exceptions** (Fischer *et al.*), 245
**Arteriosclerosis,** and dilated perivascular spaces related to white matter periventricular lesions (Swieten *et al.*), 761
**Ataxias and paraplegias,** hereditary (Polo *et al.*), 855
**Auditory area** in man (Liegeois-Chauvel *et al.*), 139
**Auditory cortical function,** and word deafness (Praamstra *et al.*), 1197
**Auditory evoked potentials,** and timing (Starr *et al.*), 1157
**Auditory memory,** and right temporal neocortex (Zatorre and Samson), 2403
**Auditory startle reflex** and the hyperekplexias (Brown *et al.*), 1903
**Auditory startle reflex** in man (Brown *et al.*), 1891
**Auditory-visual associations, hemispheric specialization, and temporal-frontal interaction in the rhesus monkey** (Gaffan and Harrison), 2133
**Autotopagnosia,** and body knowledge processing (Sirigu *et al.*), 629
**Awareness** dissociated from motor responses (Castiello *et al.*), 2639
**Axial myoclonus of propriospinal origin** (Brown *et al.*), 197
**Axonal excitability** during hyperventilation (Macefield and Burke), 527
**Axonal transport of glycoproteins** in Semliki Forest virus-infected mouse optic nerve (Jenkins and Ikeda), 309

**Basal temporal language area** (Lüders *et al.*), 743
**Blepharospasm,** essential and saccades (Hotson and Boman), 295
**Blindsight,** with increment-threshold spectral sensitivity (Stoerig and Cowey), 1487
**Blood-brain barrier** breakdown patterns in inflammatory demyelination (Hawkins *et al.*), 801
**Blood-brain barrier damage in acute multiple sclerosis plaques: an immunocytological study** (Gay and Esiri), 557
**Blood-brain barrier** function in longstanding multiple sclerosis lesions (Barnes *et al.*), 1271
**Body knowledge organization,** and autotopagnosia (Sirigu *et al.*), 629
**Body orientation** in space representation (Karnath *et al.*), 1997
**Boron neutron capture therapy,** for brain tumours (Slatkin), 1609
**Brain damage,** and decision-making ability (Tartaglione *et al.*), 1441
**Brain damage,** followed by movement vision disturbance (Zihl *et al.*), 2235
**Brain herniation,** and plateau waves (Hayashi *et al.*), 2693
**Brain lesions,** and facial emotion (Bowers *et al.*), 2593
**Brain maturation** during adolescence (Jernigan *et al.*), 2037
**Brain stimulation,** secondary response (Mills *et al.*), 2451
**Brain tumour therapy** by boron neutron capture (Slatkin), 1609

**Case of ocular tilt reaction and torsional nystagmus due to direct stimulation of the midbrain in man (Lueck** *et al.*), 2069
**Catecholamine in reflex sympathetic dystrophy** (Drummond *et al.*), 2025
**Category-specific naming and comprehension impairment: a double dissociation** (Hillis and Caramazza), 2081
**Cells secreting anti-MAG antibody occur in cerebrospinal fluid and bone marrow in patients with polyneuropathy associated with M component** (Baig *et al.*), 573
**Central nervous system** pathology in rats (Kondo *et al.*), 979
**Central nervous system** tissue lesions in multiple sclerosis (Newcombe *et al.*), 1013
**Cerebellar ataxia** (Klockgether *et al.*), 1559
**Cerebral akinetopsia (visual motion blindness): a review** (Zeki), 811
**Cerebral angiopathy,** and eye movements (Hund and Huber), 1315
**Cerebral hemisphere disconnection,** and spatial relations processing (Sergent), 1025
**Cerebral organization** of cognitive functions (Fischer *et al.*), 245
**Cerebral palsy,** and altered corticospinal projections (Brouwer and Ashby), 1395
**Cerebral potentials evoked by painful laser stimuli in patients with syringomyelia** (Treede *et al.*), 1595
**Cerebral 'time-on'** (Libet *et al.*), 1731
**Cerebrospinal fluid** factors in epilepsy (Botez and Young), 333
**Cervical spinal cord** assessment in syringomyelia (Restuccia and Mauguière), 361
**Cervico-ocular reflex** (Bronstein *et al.*), 1
**Changes in fast axonal transport of glycoproteins in optic nerves of mice infected with Semliki Forest virus** (Jenkins and Ikeda), 309
**Changes in sizes of cortical and lower motor neurons in amyotrophic lateral sclerosis** (Kiernan and Hudson), 843
**Chronic fatigue syndrome** (Lloyd *et al.*), 85
**Chronic relapsing** experimental allergic encephalomyelitis (Stanley and Pender), 1827
**Chronic relapsing experimental allergic neuritis induced by repeated transfer of $P_2$-protein reactive T cell lines** (Lassman *et al.*), 429

**Clinicopathological study of the Guillain-Barré syndrome: nine cases and literature review** (Honavar *et al.*), 1245
**Cognition,** and hemisphere asymmetry (Tartaglione *et al.*), 1441
**Cognition** in splenial tumours (Rudge and Warrington), 349
**Cognitive impairment in early, untreated Parkinson's disease and its relationship to motor disability** (Cooper *et al.*), 2095
**Cognitive task** performance after frontal lobe damage (Shallice and Burgess), 727
**Colour opponency** in blindsight (Stoerig and Cowey), 1487
**Commissurotomy** and spatial processing (Sergent), 1025
**Comprehension** in crossed aphasia (Berndt *et al.*), 263
**Compression-ischaemia** nerve block effect on warm sensation and heat-induced pain (Yarnitsky and Ochoa), 907
**CNS pathology in the neurological mutant rats zitter, tremor and zitter-tremor double mutant (spontaneously epileptic rat, SER): exaggeration of clinical and neuropathological phenotypes in SER** (Kondo *et al.*), 979
**Congenital mirror movements: abnormal organization of motor pathways in two patients** (Cohen *et al.*), 381
**Conscious and unconscious mental functions** (Libet *et al.*), 1731
**Contribution of median nerve SEPs in the functional assessment of the cervical spinal cord in syringomyelia: a study of 24 patients** (Restuccia and Mauguière), 361
**Control of the transition from sensory detection to sensory awareness in man by the duration of a thalamic stimulus: the cerebral 'time-on' factor** (Libet *et al.*), 1731
**Correlation of SEP abnormalities with brain and cervical cord MRI in multiple sclerosis** (Turano *et al.*), 663
**Cortical control of reflexive visually-guided saccades** (Pierrot-Deseilligny *et al.*), 1473
**Cortical deafness** (Tanaka *et al.*), 2385
**Cortical myoclonus** (Brown *et al.*), 2333
**Cortical neural networks** in processing words (Wise *et al.*), 1803
**Cortical oxygen hypometabolism** (Sawle *et al.*), 541
**Cortical somatosensory evoked potentials** in humans and monkeys (Allison *et al.*), 2465
**Corticobasal degeneration: a unique pattern of regional cortical oxygen hypometabolism and striatal fluorodopa uptake demonstrated by positron emission tomography** (Sawle *et al.*), 541
**Corticospinal fluid** circulation and plateau waves (Hayashi *et al.*), 2681
**Corticospinal projections** in cerebral palsy (Brouwer and Ashby), 1395
**Covert and overt recognition in prosopagnosia** (De Haan *et al.*), 2575
**Cretinism,** endemic (Halpern *et al.*), 825

**D1/D2 dopamine receptor stimulation by L-DOPA: a [$^{14}$C]-2-deoxyglucose autoradiographic study** (Trugman *et al.*), 1429
**Deafness,** 'so-called' cortical (Tanaka *et al.*), 2385
**Decision processes** in brain damage (Tartaglione *et al.*), 1441
**Decline of working memory in Alzheimer's disease: a longitudinal study** (Baddeley *et al.*), 2521
**Deficits in strategy application following frontal lobe damage in man** (Shallice and Burgess), 727
**Dementia,** and phonological reading impairment (Diesfeldt), 1631
**Demyelination,** and blood-brain barrier breakdown (Hawkins *et al.*), 801
**Development of language in six hemispherectomized patients** (Vargha-Khadem *et al.*), 473
**Diabetic neuropathy** and sural nerve morphometry (Llewelyn *et al.*), 867
**Differential effect of compression-ischaemia block on warm sensation and heat-induced pain** (Yarnitsky and Ochoa), 907
**Differential impact of right and left hemisphere lesions on facial emotion and object imagery** (Bowers *et al.*), 2593
**Directional hypokinesia** (Tegnér and Levander), 1943
**Distribution of cortical neural networks involved in word comprehension and word retrieval** (Wise *et al.*), 1803
**Disturbance of movement vision after bilateral posterior brain damage: further evidence and follow-up observations** (Zihl *et al.*), 2235
**Dopamine depletion,** and reaction time performance in rats (Brown and Robbins), 513
**Double dissociation of short-term and long-term memory for nonverbal material in Parkinson's disease and global amnesia: a further analysis** (Sullivan and Sagar), 893
**Dual task performance and processing resources in normal subjects and patients with Parkinson's disease** (Brown and Marsden), 215
**Dystrophy,** reflex sympathetic (Drummond *et al.*), 2025

**Early onset cerebellar ataxia with retained tendon reflexes: clinical, electrophysiological and MRI observations in comparison with Friedreich's ataxia** (Klockgether *et al.*), 1559
**Effects of anticonvulsant treatment and low levels of folate and thiamine on amine metabolites in cerebrospinal fluid** (Botez and Young), 333
**Emotional communication,** and right hemisphere involvement (Blonder *et al.*), 1115
**Encephalomyelitis,** acute experimental allergic (Guy *et al.*), 281
**Endemic cretinism** (Halpern *et al.*), 825
**Epilepsy,** and cortical myoclonus (Brown *et al.*), 2333
**Epilepsy,** cerebrospinal fluid factors (Botez and Young), 333
**Epilepsy,** temporal lobe, and magnetic resonance imaging (Ryvlin *et al.*), 2363
**Event-related potentials related to recognition memory: effects of unilateral temporal lobectomy and temporal lobe epilepsy** (Rugg *et al.*), 2313
**Evoked cerebral potentials** in syringomyelia (Treede *et al.*), 1595
**Experimental allergic encephalomyelitis,** and myelinated fibre g ratio (Guy *et al.*), 281

**Experimental allergic encephalomyelitis,** chronic relapsing (Stanley and Pender), 1827
**Experimental allergic encephalomyelitis** in primates (Stewart *et al.*), 1069
**Experimental allergic neuritis,** chronic relapsing (Lassman *et al.*), 429
**Experimental vitamin E deficiency in rats: morphological and functional evidence of abnormal axonal transport secondary to free radical damage** (Southam *et al.*), 915
**Extrastriate quadrantanopia** (Horton and Hoyt), 1703
**Eye movement behaviour of patients with cerebral microangiopathy and macroangiopathy in simple visual detection tasks** (Hund and Huber), 1315

**F waves** in man (Guiloff and Modarres-Sadeghi), 1771
**Facial emotion imaging** (Bowers *et al.*), 2593
**Factors affecting visual sensitivity in a hemianopic subject** (Weiskrantz *et al.*), 2269
**Fatigue syndrome,** and muscle performance (Lloyd *et al.*), 85
**Fibre g ratio** in acute experimental allergic encephalomyelitis (Guy *et al.*), 281
**Force and fatigue in human type I muscle fibres: a surface EMG study in patients with congenital myopathy and type I fibre predominance** (Linssen *et al.*), 2123
**Fornix damage,** followed by amnesia (Gaffan *et al.*), 1297
**Fornix transection** followed by amnesia (Gaffan and Gaffan), 2611
**Free and supported stance in Parkinson's disease: the effect of posture and 'postural set' on leg muscle responses to perturbation, and its relation to the severity of the disease** (Schieppati and Nardone), 1227
**Friedreich's ataxia** compared with early onset cerebellar ataxia (Klockgether *et al.*), 1559
**Frontal dysfunction and memory deficits in the alcoholic Korsakoff syndrome and Alzheimer-type dementia** (Kopelman), 117
**Frontal lobe damage,** and strategy application deficit (Shallice and Burgess), 727
**Frontal lobe regions** in primates (di Pellegrino and Wise), 951

**Gadolinium leakage** in acute optic neuritis (Youl *et al.*), 2437
**Gaze fixation,** and frontal lobe lesions (Paus *et al.*), 2051
**Gaze stability** during head movement (Bronstein *et al.*), 1
**Gerstmann's syndrome,** and acalculia (Cipolotti *et al.*), 2619
**Global aphasia** (De Renzi *et al.*), 1719
**Globus pallidus motor function** in monkey (Brotchie *et al.*), 1667, 1685
**Guillain-Barré syndrome** (Honavar *et al.*), 1245

**Hemianopia,** and visual sensitivity (Weiskrantz *et al.*), 2269
**Hemisphere asymmetry in decision-making abilities: an experimental study in unilateral brain damage** (Tartaglione *et al.*), 1441
**Hemispherectomy,** and language (Vargha-Khadem *et al.*), 473
**Hemispherectomy,** and residual vision (Ptito *et al.*), 497
**Hemispheric specialization** in monkey (Gaffan and Harrison), 2133
**Hereditary ataxias and paraplegias in Cantabria, Spain: an epidemiological and clinical study** (Polo *et al.*), 855
**Hereditary motor and sensory neuropathy of neuronal type with onset in early childhood** (Gabreëls-Festen *et al.*), 1855
**Herpes zoster myelitis** (Devinsky *et al.*), 1181
**Histopathology of multiple sclerosis lesions detected by magnetic resonance imaging in unfixed postmortem central nervous system tissue** (Newcombe *et al.*), 1013
**Historic case of visual angosia revisited after 40 years** (Sparr *et al.*), 789
**History of boron neutron capture therapy of brain tumours: postulation of a brain radiation dose tolerance limit** (Slatkin), 1609
**Human olfactory discrimination after unilateral frontal or temporal lobectomy** (Zatorre and Jones-Gotman), 71
**Huntington's disease** naming deficit (Hodges *et al.*), 1547
**Hyperekplexias and their relationship to the normal startle reflex** (Brown *et al.*), 1903
**Hypertension,** idiopathic intracranial (Wall and George), 155
**Hyperventilation** followed by paraesthesiae and tetany (Macefield and Burke), 527
**Hypokinesia,** and spatial neglect (Mijović), 1575
**Hypokinesia,** directional, in unilateral neglect (Tegnér and Levander), 1943

**Idiopathic intracranial hypertension: a prospective study of 50 patients** (Wall and George), 155
**Illusions of head and visual target displacement induced by vibration of neck muscles** (Taylor and McCloskey), 755
**Immunoglobulin M synthesis** in multiple sclerosis (Sharief and Thompson), 181
**Impaired phonological reading in primary degenerative dementia** (Diesfeldt), 1631
**Increment-threshold spectral sensitivity in blindsight: evidence for colour opponency** (Stoerig and Cowey), 1487
**Infarction,** striatocapsular (Donnan *et al.*), 51
**Inspection time, psychometric intelligence and clinical estimates of cognitive ability in presenile Alzheimer's disease and Korsakoff's psychosis** (Deary *et al.*), 2543
**Intracranial hypertension** (Wall and George), 155
**Intrahemispheric and interhemispheric spread of cerebral cortical myoclonic activity and its relevance to epilepsy** (Brown *et al.*), 2333
**Intrathecal immunoglobulin M synthesis in multiple sclerosis: relationship with clinical and cerebrospinal fluid parameters** (Sharief and Thompson), 181
**Irish (Donegal) amyloidosis is associated with the transthyretin$^{ala\ 60}$ (Appalachian) variant** (Staunton *et al.*), 2675
**Iron metabolism** in Parkinson's and other basal ganglia-affecting diseases (Dexter *et al.*), 1953

**Ischaemic neuropathy** (Fujimura *et al.*), 1929

**Kinaesthetic acuity of stutterers and non-stutterers for oral and non-oral movements** (De Nil and Abbs), 2145
**Kinaesthetic illusions** after neck muscle vibration (Taylor and McCloskey), 755
**Korsakoff and Alzheimer patients' inspection time,** psychometric intelligence and cognitive ability (Deary *et al.*), 2543
**Korsakoff syndrome,** frontal dysfunction and memory (Kopelman), 117

**L-dopa stimulation** of D1/D2 dopamine receptor (Trugman *et al.*), 1429
**Language** and the right hemisphere (Vargha-Khadem *et al.*), 473
**Language area** of basal temporal region (Lüders *et al.*), 743
**Language functions in progressive supranuclear palsy** (Podoll *et al.*), 1457
**Language impairment,** category-specific (Hillis and Caramazza), 2081
**Language repetition** in transcortical aphasia (Berthier *et al.*), 1409
**Lateralization** of cognitive functions (Fischer *et al.*), 245
**Limb amputation,** and motor reorganization (Cohen *et al.*), 615
**Lisuride infusion** in Parkinson's disease (Vaamonde *et al.*), 601
**Lobectomy,** and olfactory discrimination (Zatorre and Jones-Gotman, 71.
**Lobectomy,** anterior temporal, followed by stereopsis (Ptito *et al.*), 1323
**Localization** for processing words (Wise *et al.*), 1803
**Localization of the primary auditory area in man** (Liegeois-Chauvel *et al.*), 139
**Longstanding MS lesion: a quantitative MRI and electron microscopic study** (Barnes *et al.*), 1271
**Lymphocyte muscarinic binding** in Alzheimer's disease (Ferrero *et al.*), 1759

**M component-associated polyneuropathy** and anti-MAG antibody (Baig *et al.*), 573
**Magnetic resonance imaging** and electron microscopy in multiple sclerosis (Barnes *et al.*), 1271
**Magnetic resonance imaging of experimental allergic encephalomyelitis in primates** (Stewart *et al.*), 1069
**Magnetic stimulation,** and secondary response (Mills *et al.*), 2451
**Maintenance of myelinated fibre g ratio in acute experimental allergic encephalomyelitis** (Guy *et al.*), 281
**Man in motion: historical and clinical aspects of vestibular function** (Brandt), 2159
**Maturation of human cerebrum observed *in vivo* during adolescence** (Jernigan *et al.*), 2037
**Mechanism of spastic muscle hypertonus: variation in reflex gain over the time course of spasticity** (Thilmann *et al.*), 233
**Mechanisms of visual spatial neglect: absence of directional hypokinesia in spatial exploration** (Mijović), 1575
**Medial vs lateral frontal lobe lesions and differential impairment of central-gaze fixation maintenance in man** (Paus *et al.*), 2051
**Median nerve somatosensory evoked potentials** in humans and monkeys (Allison *et al.*), 2465
**Median nerve somatosensory evoked potentials** in syringomyelia (Restuccia and Mauguière), 361
**Memory and vision impairment** in splenial tumours (Rudge and Warrington), 349
**Memory-contingent saccades and the substantia nigra postulate for essential blepharospasm** (Hotson and Boman), 295
**Memory deficits** in Korsakoff syndrome and Alzheimer's disease (Kopelman), 117
**Memory disturbances** after fornix damage (Gaffan *et al.*), 1297
**Memory impairment** and sentence comprehension (Berndt *et al.*), 263
**Memory,** in Alzheimer's disease (Baddeley *et al.*), 2521
**Memory,** in Parkinson's disease and global amnesia (Sullivan and Sagar), 893
**Memory-related potentials** and the temporal lobe (Rugg *et al.*), 2313
**Memory,** visual recognition, event-related potentials (Puce *et al.*), 1647
**Metabolic activity** increase after superior sagittal sinus stimulation (Goadsby and Zagami), 1001
**Metabolic patterns associated with non-specific magnetic resonance imaging abnormalities in temporal lobe epilepsy** (Ryvlin *et al.*), 2363
**Microangiopathy,** cerebral, and macroangiopathy (Hund and Huber), 1315
**Microsaccadic flutter** (Ashe *et al.*), 461
**Mirror movements** (Cohen *et al.*), 381
**Modifications of thermoregulation in patients with suprasellar pituitary adenomas** (Behr *et al.*), 697
**Modulation of the stretch reflex during volitional sinusoidal tracking in Parkinson's disease** (Johnson *et al.*), 443
**Monkey globus pallidus** (Brotchie *et al.*), 1667, 1685
**Morphological changes in unmyelinated nerve fibres in the sural nerve with age** (Kanda *et al.*), 585
**Motion blindness** in multiple sclerosis and optic neuritis (Regan *et al.*), 1129
**Motor cortex** elicited paraesthesiae (Amassian *et al.*), 2505
**Motor disability** and cognition in untreated Parkinson's disease (Cooper *et al.*), 2095
**Motor function of the monkey globus pallidus: 1. Neuronal discharge and parameters of movement** (Brotchie *et al.*), 1667
**Motor function of the monkey globus pallidus: 2. Cognitive aspects of movement and phasic neuronal activity** (Brotchie *et al.*), 1685
**Motor neuron disease,** *see* amyotrophic lateral sclerosis
**Motor neuron-generated recurrent responses** in man (Guiloff and Modarres-Sadeghi), 1771
**Motor neuron responses** in multiple sclerosis (Boniface *et al.*), 643

**Motor pathway abnormalities** (Cohen *et al.*), 381
**Motor reorganization after upper limb amputation in man: a study with focal magnetic stimulation** (Cohen *et al.*), 615
**Motor responses** dissociated from subjective awareness (Castiello *et al.*), 2639
**Movement control** in Parkinson's disease (Harrington and Haaland), 99
**Movement vision** after brain damage (Zihl *et al.*), 2235
**Multiple representations contribute to body knowledge processing: evidence from a case of autotopagnosia** (Sirigu *et al.*), 629.
**Multiple sclerosis,** age of onset in siblings (Bulman *et al.*), 937
**Multiple sclerosis,** intrathecal immunoglobulin M synthesis (Sharief and Thompson), 181
**Multiple sclerosis lesions,** histopathology (Newcombe *et al.*), 1013
**Multiple sclerosis,** longstanding lesions (Barnes *et al.*), 1271
**Multiple sclerosis,** motoneuron responses (Boniface *et al.*), 643
**Multiple sclerosis,** natural history, predictive factors and models of outcome (Weinshenker *et al.*), 1045
**Multiple sclerosis,** natural history, study applications for clinical therapeutic trials (Weinshenker *et al.*), 1057
**Multiple sclerosis plaques** with blood-brain barrier leakage (Gay and Esiri), 557
**Multiple sclerosis,** SEP abnormalities (Turano *et al.*), 663
**Multiple sclerosis,** shape recognition (Regan *et al.*), 1129
**Multiple sclerosis,** sympathetic skin response (Yokota *et al.*), 1381
**Multiple sclerosis,** visual defect (Russell *et al.*), 2419
**Muscle fibres,** force and fatigue in (Linssen *et al.*), 2123
**Muscle hypertonus,** spastic (Thilmann *et al.*), 233
**Muscle performance, voluntary activation, twitch properties and perceived effort in normal subjects and patients with the chronic fatigue syndrome** (Lloyd *et al.*), 85
**Muscle sympathetic activity** during sleep (Hornyak *et al.*), 1281
**Myelin sheath** thickness and g ratio in acute experimental allergic encephalomyelitis (Guy *et al.*), 281
**Myelitis,** herpes zoster (Devinsky *et al.*), 1181
**Myoclonus,** axial (Brown *et al.*), 197
**Myoclonus,** cerebral cortical (Brown *et al.*), 2333
**Myotonic dystrophy, predictive value of normal results on clinical examination** (Brunner *et al.*), 2303

**Naming** in Alzheimer's and Huntington's disease (Hodges *et al.*), 1547
**Natural history of multiple sclerosis: a geographically based study. 3. Multivariate analysis of predictive factors and models of outcome** (Weinshenker *et al.*), 1045
**Natural history of multiple sclerosis: a geographically based study. 4. Applications to planning and interpretation of clinical therapeutic trials** (Weinshenker *et al.*), 1057
**Nature of the naming deficit in Alzheimer's and Huntington's disease** (Hodges *et al.*), 1547
**Neck-eye reflex in patients with reduced vestibular and optokinetic function** (Bronstein *et al.*), 1
**Neck muscle vibration** induces kinaesthetic illusions (Taylor and McCloskey), 755
**Neglect syndrome,** and directional hypokinesia (Tegnér and Levander), 1943
**Neglect syndrome,** and trunk orientation (Karnath *et al.*), 1997
**Nerve cell loss in the thalamus in Alzheimer's and Parkinson's diseases** (Xuereb *et al.*), 1363
**Nerve fibre** changes with ageing (Kanda *et al.*), 585
**Nerve fibre** vulnerability to ischaemia (Fujimura *et al.*), 1929
**Neuritis,** chronic relapsing experimental allergic (Lassman *et al.*), 429
**Neuroacanthocytosis: a clinical, haematological and pathological study of 19 cases** (Hardie *et al.*), 13
**Neurological disease in xeroderma pigmentosum: documentation of a late onset type of the juvenile onset form** (Robbins *et al.*), 1335
**Neurology of endemic cretinism: a study of two endemias** (Halpern *et al.*), 825
**Neurology of obsessional slowness** (Hymas *et al.*), 2203
**Neuronal sizes** in amyotrophic lateral sclerosis (Kiernan and Hudson), 843
**Neuronal type** hereditary motor and sensory neuropathy with early childhood onset (Gabreëls-Festen *et al.*), 1855
**Neuropathy,** and sural nerve morphometry (Llewelyn *et al.*), 867
**Neuropathy** of neuronal type, early onset (Gabreëls-Festen *et al.*), 1855
**Neuropathy,** vasculitic (Hawke *et al.*), 2175
**Neurophysiological comparison of three distinct regions of the primate frontal lobe** (di Pellegrino and Wise), 951
**Neuropsychological correlates of stereotactic subcaudate tractotomy: a prospective study** (Kartsounis *et al.*), 2657
**New observations on the normal auditory startle reflex in man** (Brown *et al.*), 1891
**Number deficit** in acalculia (Cipolotti *et al.*), 2619

**Object agnosia** (Sirigu *et al.*), 2555
**Obsessional slowness** (Hymas *et al.*), 2203
**Obsessional slowness: functional studies with positron emission tomography** (Sawle *et al.*), 2191
**Ocular tilt** induced by midbrain stimulation (Lueck *et al.*), 2069
**Olfactory discrimination** after lobectomy (Zatorre and Jones-Gotman), 71
**Oligoclonal immunoglobulin M** in multiple sclerosis (Sharief and Thompson), 181
**Optic nerve glycoprotein transport** in mouse (Jenkins and Ikeda), 309
**Optic neuritis,** acute (Youl *et al.*), 2437
**Optic neuritis,** and shape recognition (Regan *et al.*), 1129
**Optic neuritis,** visual defect (Russell *et al.*), 2419
**Origin of the secondary increase in firing probability of human motoneurones following transcranial magnetic stimulation: studies in healthy subjects, type I hereditary motor and sensory neuropathy and multiple sclerosis** (Mills *et al.*), 2451

**Pain-related somatosensory evoked potentials in syringomyelia** (Kakagi *et al.*), 1871
**Pallidal activity,** and movement execution (Brotchie *et al.*), 1667
**Pallidal activity,** phasic, and movement (Brotchie *et al.*), 1685
**Paraesthesiae and tetany induced by voluntary hyperventilation: increased excitability of human cutaneous and motor axons** (Macefield and Burke), 527
**Paraesthesias are elicited by single pulse, magnetic coil stimulation of motor cortex in susceptible humans** (Amassian *et al.*), 2505
**Paraplegias and ataxias,** hereditary (Polo *et al.*), 855
**Parkinson's disease,** and ageing (Fearnley and Lees), 2283
**Parkinson's disease,** and memory (Sullivan and Sagar), 893
**Parkinson's disease,** dual task performance and processing (Brown and Marsden), 215
**Parkinson's disease,** iron level changes (Dexter *et al.*), 1953
**Parkinson's disease,** motor impairments (Connor and Abbs), 321
**Parkinson's disease,** neuronal loss in thalamus (Xuereb *et al.*), 1363
**Parkinson's disease,** sequencing (Harrington and Haaland), 99
**Parkinson's disease,** stance (Schieppati and Nardone), 1227
**Parkinson's disease,** stretch reflex modulation (Johnson *et al.*), 443
**Parkinson's disease,** subcutaneous lisuride infusion (Vaamonde *et al.*), 601
**Parkinson's disease,** tegmental substance P neurons (Gai *et al.*), 2253
**Parkinson's disease,** untreated, and cognitive impairment (Cooper *et al.*), 2095
**Pathophysiology of acute optic neuritis: an association of gadolinium leakage with clinical and electrophysiological deficits** (Youl *et al.*), 2437
**Pathophysiology of chronic relapsing experimental allergic encephalomyelitis in the Lewis rat** (Stanley and Pender), 1827
**Patterns of blood-brain barrier breakdown in inflammatory demyelination** (Hawkins *et al.*), 801
**Perception and action in 'visual form agnosia'** (Milner *et al.*), 405
**Periventricular lesions in the white matter on magnetic resonance imaging in the elderly: a morphometric correlation with arteriolosclerosis and dilated perivascular spaces** (Swieten *et al.*), 761
**Phonolexical agraphia: superimposition of acquired lexical agraphia on developmental phonological dysgraphia** (Kirk *et al.*), 1977
**Pituitary adenomas** and thermoregulation (Behr *et al.*), 697
**Plateau-wave phenomenon: 1. Correlation between the appearance of plateau waves and CSF circulation in patients with intracranial hypertension** (Hayashi *et al.*), 2681
**Plateau-wave phenomenon: 2. Occurrence of brain herniation in patients with and without plateau waves** (Hayashi *et al.*), 2693
**Polyneuropathy associated with M component and anti-MAG antibody** (Baig *et al.*), 573
**Posture control** in Parkinson's disease (Schieppati and Nardone), 1227
**Potentials evoked in human and monkey cerebral cortex by stimulation of the median nerve: a review of scalp and intracranial recordings** (Allison *et al.*), 2465
**Preferential generation of recurrent responses by groups of motor neurons in man: conventional and single unit F wave studies** (Guiloff and Modarres-Sadeghi), 1771
**Primary auditory area** in man (Liegeois-Chauvel *et al.*), 139
**Primate** frontal lobe regions (di Pellegrino and Wise), 951
**Processing,** in Parkinson's disease (Brown and Marsden), 215
**Processing of spatial relations within and between the disconnected cerebral hemispheres** (Sergent), 1025
**Programming deficits** in Parkinson's disease (Harrington and Haaland), 99
**Progressive supranuclear palsy** and language impairment (Podoll *et al.*), 1457
**Propriospinal origin** of axial myoclonus (Brown *et al.*), 197
**Prosopagnosia,** and covert and overt recognition (De Haan *et al.*), 2575

**Quadrantic visual field defects: a hallmark of lesions in extrastriate (V2/V3) cortex** (Horton and Hoyt), 1703

**Rat** central nervous system pathology (Kondo *et al.*), 979
**Reaction time** and striatal dopamine (Brown and Robbins), 513
**Reading impairment** in primary degenerative dementia (Diesfeldt), 1631
**Recognition** in prosopagnosia (De Haan *et al.*), 2575
**Recognition memory** event-related potentials (Puce *et al.*), 1647
**Recognition of motion-defined shapes in patients with multiple sclerosis and optic neuritis** (Regan *et al.*), 1129
**Reflex gain** changes in spasticity (Thilmann *et al.*), 233
**Reflex sympathetic dystrophy: the significance of differing plasma catecholamine concentrations in affected and unaffected limbs** (Drummond *et al.*), 2025
**Residual vision** after hemispherectomy (Ptito *et al.*), 497
**Responses of single spinal motoneurons to magnetic brain stimulation in healthy subjects and patients with multiple sclerosis** (Boniface *et al.*), 643
**Reversed lateralization of cognitive functions in right handers: exceptions to classical aphasiology** (Fischer *et al.*), 245
**Right hemisphere** emotional communication (Blonder *et al.*), 1115
**Right temporal neocortex** role in auditory memory (Zatorre and Samson), 2403
**Role of sensorimotor experience in object recognition: a case of multimodal agnosia** (Sirigu *et al.*), 2555
**Role of the right hemisphere in emotional communication** (Blonder *et al.*), 1115
**Role of the right temporal neocortex in retention of pitch in auditory short-term memory** (Zatorre and Samson), 2403

**Saccade suppression,** frontal lesions and voluntary control (Paus *et al.*), 2051
**Saccades,** and flutter (Ashe *et al.*), 461
**Saccades,** in blepharospasm (Hotson and Boman), 295
**Saccades,** reflexive visually guided, cortical control of (Pierrot-Deseilligny *et al.*), 1473
**Sagittal sinus,** functional projections (Goadsby and Zagami), 1001
**Schistosomiasis** of the spinal cord (Haribhai *et al.*), 709
**Selective impairment of memory and visual perception in splenial tumours** (Rudge and Warrington), 349
**Sensorimotor experience** in object agnosia (Sirigu *et al.*), 2555
**Sensory neuropathy,** and sural nerve morphometry (Llewelyn *et al.*), 867
**Sequencing in Parkinson's disease: abnormalities in programming and controlling movement** (Harrington and Haaland), 99
**Short-term memory and sentence comprehension: an investigation of a patient with crossed aphasia** (Berndt *et al.*), 263
**Simple and choice reaction time performance following unilateral striatal dopamine depletion in the rat: impaired motor readiness but preserved response preparation** (Brown and Robbins), 513
**Simultanagnosia: to see but not two see** (Coslett and Saffran), 1523
**Skin response** in multiple sclerosis (Yokota *et al.*), 1381
**Sleep,** and muscle sympathetic activity (Hornyak *et al.*), 1281
**Slowness,** obsessional (Hymas *et al.*), 2203
**Slowness,** obsessional (Sawle *et al.*), 2191
**'So-called' cortical deafness: clinical, neurophysiological, and radiological observations** (Tanaka *et al.*), 2385
**Somatosensory evoked potential abnormalities** in multiple sclerosis (Turano *et al.*), 663
**Somatosensory evoked potentials** in syringomyelia (Kakagi *et al.*), 1871
**Somatosensory evoked potentials** in syringomyelia (Restuccia and Mauguière), 361
**Somatosensory systems** for warm and cold (Yarnitsky and Ochoa), 1819
**Spastic muscle hypertonus** (Thilmann *et al.*), 233
**Spatial relations,** processing after commissurotomy (Sergent), 1025
**Specific deficit for numbers in a case of dense acalculia** (Cipolotti *et al.*), 2619
**Spectral sensitivity** in blindsight (Stoerig and Cowey), 1487
**Spinal cord schistosomiasis: a clinical, laboratory and radiological study, with a note on therapeutic aspects** (Haribhai *et al.*), 709
**Splenial tumours,** with memory and vision impairment (Rudge and Warrington), 349
**Stance,** in Parkinson's disease (Schieppati and Nardone), 1227
**Startle reflex,** and the hyperekplexias (Brown *et al.*), 1903
**Startle reflex** in man (Brown *et al.*), 1891
**Stereopsis after unilateral anterior temporal lobectomy: dissociation between local and global measures** (Ptito *et al.*), 1323
**Stimulation of the superior sagittal sinus increases metabolic activity and blood flow in certain regions of the brainstem and upper cervical spinal cord of the cat** (Goadsby and Zagami), 1001
**Stretch reflex activity** in spasticity (Thilmann *et al.*), 233
**Stretch reflex modulation** during sinusoidal tracking (Johnson *et al.*), 443
**Striatal fluorodopa uptake** (Sawle *et al.*), 541
**Striatocapsular infarction** (Donnan *et al.*), 51
**Stroke syndrome of striatocapsular infarction** (Donnan *et al.*), 51
**Stutterers,** kinaesthetic acuity (De Nil and Abbs), 2145
**Subcaudate tractotomy,** stereotactic (Kartsounis *et al.*), 2657
**Subcutaneous lisuride infusion in Parkinson's disease: response to chronic administration in 34 patients** (Vaamonde *et al.*), 601
**Substance P-containing neurons in the mesopontine tegmentum are severely affected in Parkinson's disease** (Gai *et al.*), 2253
**Sural nerve ageing,** and unmyelinated nerve fibre changes (Kinda *et al.*), 585
**Sural nerve morphometry in diabetic autonomic and painful sensory neuropathy: a clinicopathological study** (Llewelyn *et al.*), 867
**Sympathetic muscle nerve activity during sleep in man** (Hornyak *et al.*), 1281
**Sympathetic skin response in patients with multiple sclerosis compared with patients with spinal cord transection and normal controls** (Yokota *et al.*), 1381
**Syringomyelia,** and evoked cerebral potentials (Treede *et al.*), 1595
**Syringomyelia,** and median nerve somatosensory evoked potentials (Restuccia and Mauguière), 361
**Syringomyelia,** and pain-related somatosensory evoked potentials (Kagaki *et al.*), 1871

**T cell-mediated chronic experimental allergic neuritis** (Lassman *et al.*), 429
**Target detection and movement discrimination in the blind field of hemispherectomized patients** (Ptito *et al.*), 497
**Task-dependent variations in parkinsonian motor impairments** (Connor and Abbs), 321
**Tegmental substance P neurons** in Parkinson's disease (Gai *et al.*), 2253
**Temporal dissociation of motor responses and subjective awareness: a study in normal subjects** (Castiello *et al.*), 2639
**Temporal-frontal interaction in monkey** (Gaffan and Harrison), 2133
**Temporal lobe,** and memory-related event-related potentials (Rugg *et al.*), 2313
**Temporal lobe epilepsy,** and magnetic resonance imaging (Ryvlin *et al.*), 2363
**Tetany and paraesthesiae** induced by hyperventilation (Macefield and Burke), 527
**Thalamic control** of mental functions (Libet *et al.*), 1731
**Thalamus neuronal loss** in Alzheimer's and Parkinson's diseases (Xuereb *et al.*), 1363

**Thermoregulation,** and suprasellar pituitary adenomas (Behr *et al.*), 697
**Through a looking glass: a new technique to demonstrate directional hypokinesia in unilateral neglect** (Tegnér and Levander), 1943
**'Time-on' factor** in mental functions (Libet *et al.*), 1731
**Timing,** and auditory evoked potentials (Starr *et al.*), 1157
**Torsional nystagmus** due to midbrain stimulation (Lueck *et al.*), 2069
**Transcortical aphasia: importance of the nonspeech dominant hemisphere in language repetition** (Berthier *et al.*), 1409
**Transthyretin gene** in amyloidosis (Staunton *et al.*), 2675
**Trunk orientation as the determining factor of the 'contralateral' deficit in the neglect syndrome and as the physical anchor of the internal representation of body orientation in space** (Karnath *et al.*), 1997
**Type I muscle fibre force and fatigue** (Linssen *et al.*), 2123

**Ubiquitin-immunoreactive intraneuronal inclusions in amyotrophic lateral sclerosis: morphology, distribution, and specificity** (Leigh *et al.*), 775
**Unmyelinated fibres** and ageing (Kanda *et al.*), 585

**Value** of a negative clinical examination in persons at risk for myotonic dystrophy (Brunner *et al.*), 2303
**Vasculitic neuropathy: a clinical and pathological study** (Hawke *et al.*), 2175
**Vestibular function** (Brandt), 2159
**Virus infection,** and axonal transport (Jenkins and Ikeda), 309
**Vision** in the blind field after hemispherectomy (Ptito *et al.*), 497
**Visual agnosia** induced by carbon monoxide toxicity (Sparr *et al.*), 789
**Visual defect in multiple sclerosis and optic neuritis: a combined psychophysical and electrophysiological investigation** (Russell *et al.*), 2419
**Visual field defects,** quadrantic (Horton and Hoyt), 1703
**Visual form agnosia** (Milner *et al.*), 405
**Visual impairment** in splenial tumours (Rudge and Warrington), 349
**Visual loss** in idiopathic intracranial hypertension (Wall and George), 155
**Visual motion blindness** (Zeki), 811
**Visual processing disorders** (Coslett and Saffran), 1523
**Visual recognition memory: neurophysiological evidence for the role of temporal white matter in man** (Puce *et al.*), 1647
**Visual sensitivity in hemianopia** (Weiskrantz *et al.*), 2269
**Visual spatial neglect** (Mijović), 1575
**Visually-guided saccades,** reflexive, cortical control of (Pierrot-Deseilligny *et al.*), 1473
**Vitamin E deficiency** in rats (Southam *et al.*), 915
**Vulnerability of nerve fibres to ischaemia: a quantitative light and electron microscope study** (Fujimura *et al.*), 1929

**Warm and cold specific somatosensory systems: psychophysical thresholds, reaction times and peripheral conduction velocities** (Yarnitsky and Ochoa), 1819
**Warmth and heat-induced pain** effects from compression-ischaemia (Yarnitsky and Ochoa), 907
**White matter,** and visual memory (Puce *et al.*), 1647
**Word comprehension,** and cortical neural networks (Wise *et al.*), 1803
**Word deafness and auditory cortical function: a case history and hypothesis** (Praamstra *et al.*), 1197

**Xeroderma pigmentosum,** late-onset juvenile (Robbins *et al.*), 1335